



Practitioner's Docket No.: HIEAC.10610

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	Bogdan C. Maglich	)	
Serial No.	:	09/883,851	)	
Filing Date	:	June 18, 2001	)	Art Unit: 3694
Title	:	Method and Apparatus for Neutron Microscopy with Stoichiometric Imaging	)	Examiner: Daniel Lawson Greene

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

**ESTABLISHMENT OF RIGHT OF ASSIGNEE TO TAKE ACTION (37 C.F.R. § 3.73)  
AND REVOCATION AND POWER OF ATTORNEY**

Dear Sir:

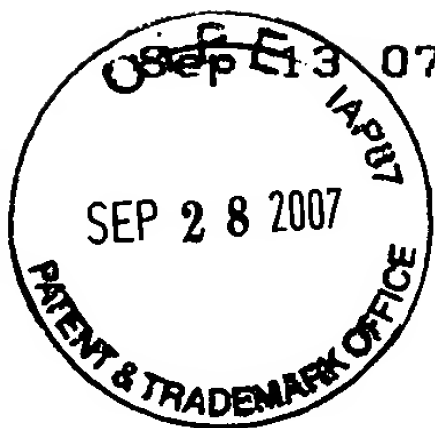
The undersigned is empowered to act on behalf of the assignee below (the "Assignee"), which Assignee has the right to take action in the above-referenced application under 37 C.F.R. § 3.73(b)(1)(i) by virtue of the entire chain of title attached hereto evidencing transfer of all right, title and interest from the inventor through successive assignees to the current Assignee.

Specifically, attached as Exhibit A is a true and correct copy of the assignment from Bogdan C. Maglich to HiEnergy Technologies, Inc. dated November 17, 2003, and duly recorded in the United States Patent and Trademark Office on November 24, 2003, at Reel/Frame 014717/0989.

And attached as Exhibit B is a true and correct copy of the assignment from HiEnergy Technologies, Inc. to HIET Acquisition, LLC, the Assignee, dated July 31, 2007, which assignment was or concurrently is being submitted for recordation pursuant to 37 C.F.R. § 3.11.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United State Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

The undersigned hereby revokes any previous powers of attorney in the subject application, and hereby appoints the following practitioner(s) associated with Customer Number 38715 with full



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Spillmann

951-734-1617

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App. Ser. No. : 09/883,851  
Filing Date : June 18, 2001

power of substitution and revocation to prosecute the subject application and transact all business with the Patent and Trademark Office connected therewith:

Jeromye V. Sartain

Registration Number 54,423

I further instruct as follows:

**SEND CORRESPONDENCE TO:**

Jeromye V. Sartain  
MIND LAW FIRM  
2424 S.E. Bristol Street, Suite 300  
Newport Beach, California 92660

**DIRECT TELEPHONE CALLS TO:**

Jeromye V. Sartain  
Tel. No.: 949-250-5800

**DIRECT E-MAIL CORRESPONDENCE TO:**

Jeromye V. Sartain  
jsartain@mindlawfirm.com

**DIRECT FAX TRANSMISSIONS TO:**

Jeromye V. Sartain  
Fax No.: 866-258-5653

This appointment is to be to the exclusion of the inventor and his attorney(s) in accordance with the provisions of 37 C.F.R. § 3.71.

HIET Acquisition, LLC

Dated: 9/12/07

  
Roger W.A. Spillmann

Title: President and CEO

Address: 561 West Rincon Street  
Corona, California 92880

ASSIGNMENT

WHEREAS, I, Bogdan C. Maglich, a United States citizen, residing at 2785 Vista Umbrosa, Newport Beach, California 92660 (hereinafter "ASSIGNOR") have invented certain new and useful improvements in a METHOD AND APPARATUS FOR NEUTRON MICROSCOPY WITH STOICHIOMETRIC IMAGING for which I have filed United States Patent Application No. 09/883,851 in the United States on June 18, 2001 (hereinafter "the Patent Application");

WHEREAS, HiEnergy Technologies, Inc., a Delaware corporation having offices at 1601 Alton Parkway, Unit B, Irvine, California 92606 (hereinafter "ASSIGNEE") desires to purchase the entire right, title, and interest in and to the inventions disclosed in the Patent Application;

NOW, THEREFORE, in consideration of good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby further acknowledges that it has sold, assigned, and transferred, and by these presents does hereby sell, assign, and transfer, unto ASSIGNEE, its successors, legal representatives, and assigns, the entire right, title, and interest throughout the world in, to, and under the said improvements, and the said Patent Application and all Patents that may be granted thereon, and all provisional applications relating thereto, and all divisions, continuations, reissues, reexaminations, renewals, and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent that may hereafter be filed for said improvements or for the said Patent Application in any country or countries foreign to the United States; and ASSIGNOR hereby authorizes and requests the Commissioner of Patents of the United States, and any Official of any country foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements and all Letters Patents resulting from the Patent Application to ASSIGNEE, its successors, legal representatives, and assigns, in accordance with the terms of this Agreement.

ASSIGNOR does hereby sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of the said issued Letters Patents;

ASSIGNOR hereby covenants and agrees that it will communicate to ASSIGNEE, its successors, legal representatives, and assigns any facts known to ASSIGNOR respecting the Patent Application immediately upon becoming aware of those facts, and that it will testify in any legal proceeding involving any of the Patent Application, will sign all lawful papers, execute all divisional, continuing, and reissue applications, make all rightful oaths, and will generally do everything possible to aid ASSIGNEE, its successors, legal representatives, and assigns to obtain and enforce the Patent Application in all countries.

IN TESTIMONY WHEREOF, I herunto set my hand and seal this 17 day of November, 2003

By: [Signature]

Name Printed: Bogdan C. Maglich

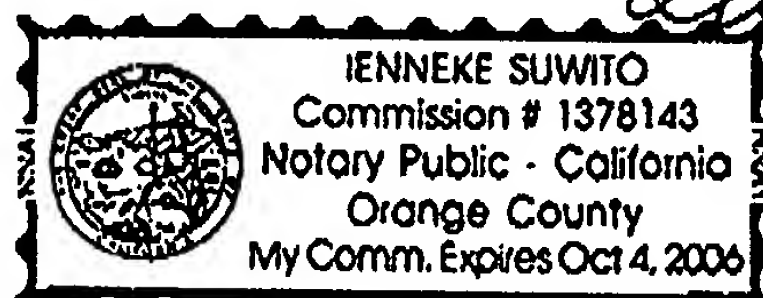
STATE OF California }  
COUNTY OF Orange } ss.

On Nov. 17, 2003, before me, Jenneke Suwito, personally appeared Bogdan C. Maglich, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

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[Signature]  
Notary Signature



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MHT/LJK/PSI

**UNITED STATES PATENT AND TRADEMARK OFFICE**

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

JUNE 10, 2004

PTAS

KNOBBE, MARTENS, OLSON & BEAR, LLP  
BRUCE S. ITCHKAWITZ  
2040 MAIN STREET, 14TH FLOOR  
IRVINE, CA 92614



\*102609306A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 11/24/2003

REEL/FRAME: 014717/0989  
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).  
DOCKET NUMBER: HIENER.1CPC1CP

ASSIGNOR:

MAGLICH, BOGDAN C.

DOC DATE: 11/17/2003

ASSIGNEE:

HIENERGY TECHNOLOGIES, INC.  
1601 ALTON PARKWAY, UNIT B  
IRVINE, CALIFORNIA 92606

SERIAL NUMBER: 09883851

FILING DATE: 06/18/2001

PATENT NUMBER:

ISSUE DATE:

TITLE: METHOD AND APPARATUS FOR NEUTRON MICROSCOPY WITH STOICHIOMETRIC IMAGING

Exhibit A

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VIOLET MCCOY, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS



## ASSIGNMENT OF INVENTIONS

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt and sufficiency of which is hereby acknowledged, and for other good and valuable consideration,

**ASSIGNOR:** James J. Joseph, Chapter 7 Trustee for  
HIENERGY TECHNOLOGIES, INC.  
1601 Alton Parkway, Unit B  
Irvine, California 92606  
a California corporation

hereby sells, assigns and transfers \* the Assignor's right, title and interest, if any, to:

**ASSIGNEE:** HIET ACQUISITION, LLC  
a limited liability company  
c/o Roger W.A. Spillman  
2879 La Vista Avenue  
Corona, CA 92879

and the successors, assigns and legal representatives of ASSIGNEE the entire right, title and interest for the United States and its territorial possessions and in all foreign countries, including all rights to claim priority, in and to any and all inventions and improvements that are disclosed in the patent applications listed in Schedule A attached hereto and incorporated herein by reference, all Letters Patent to be obtained for said inventions by any of the applications listed in Schedule A or any continuation, division, renewal, or substitute thereof, all Letters Patent on any reissue or reexamination thereof, and all related know-how and trade and business secrets.

IN WITNESS WHEREOF, I have hereunto set my hand on the date indicated below:

Date:

7/31/07

James J. Joseph, Chapter 7 Trustee for the Estate of  
HiEnergy Technologies, Inc.

**SCHEDULE A**

**HIENERGY TECHNOLOGIES, INC.  
Patents and Patent Applications**

Country/Region	Title of Invention	Inventor(s)	Filing Date	Serial No.
United States	Method and Apparatus for Detecting, Locating, and Analyzing Chemical Compounds Using Subatomic Particle Activation	Bogdan C. Maglich	02/18/1998	60/075,037
			02/17/1999	09/252,359
			03/09/1999	09/265,043
			02/20/2001	09/788,736
			04/06/2005	11/099,739
United States	Method and Apparatus for Neutron Microscopy with Stoichiometric Imaging	Bogdan C. Maglich	06/23/2000	60/213,373
			06/18/2001	09/883,851
			04/06/2005	11/099,749
United States	Binocular Method and Apparatus for Stoichiometric Analysis and Imaging Using Subatomic Particle Activation	Bogdan C. Maglich	03/21/2005	11/084,963
United States	Method and Apparatus for Analyzing Chemical Compounds Using Subatomic Particle Activation	Bogdan C. Maglich	03/23/2005	11/087,899
United States	Hybrid Stoichiometric Analysis and Imaging Using Non-Thermal and Thermal Neutrons	Bogdan C. Maglich	12/06/2005	11/295,746
Canada	Method and Apparatus for Detecting, Locating, and Analyzing Chemical Compounds Using Subatomic Particle Activation	Bogdan C. Maglich	08/14/2000	2.321.063
Europe	Method and Apparatus for Detecting, Locating, and Analyzing Chemical Compounds Using Subatomic Particle Activation	Bogdan C. Maglich	09/14/2000	99 933 468.3



Country/Region	Title of Invention	Inventor(s)	Filing Date	Serial No.
Japan	Method and Apparatus for Detecting, Locating, and Analyzing Chemical Compounds Using Subatomic Particle Activation	Bogdan C. Maglich	08/18/2000	583,230/2000
Canada	Method and Apparatus for Neutron Microscopy with Stoichiometric Imaging	Bogdan C. Maglich	12/09/2003	2.452.163
Europe	Method and Apparatus for Neutron Microscopy with Stoichiometric Imaging	Bogdan C. Maglich	12/09/2003	02 807 657.8
United States	Method and Apparatus for Measuring Wall Thickness of a Vessel	Kevin Scott McKinney	03/11/2004	60/552,882
			03/11/2005	11/078,688
PCT	Method and Apparatus for Measuring Wall Thickness of a Vessel	Kevin Scott McKinney	03/11/2005	PCT US2005/008227